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January 24, 1996

Joseph J. Nowak
New Jersey Department of Environmental Protection
Bureau of Environmental Evaluation and Cleanup Responsibility Assessment
401 East State Street
Trenton, NJ 08625

SUBJ: **Hexcel Corporation**
Lodi Borough, Bergen County, New Jersey
ISRA Case No. 86009
GEO Project No. 94039

Dear Mr. Nowak:

On behalf of Hexcel Corporation (Hexcel), the following is the progress report of activities carried out during October, November and December of 1995. This quarterly report is prepared in accordance with the Industrial Site Recovery Act (ISRA) requirements for the former Hexcel facility in Lodi, New Jersey.

The following topics are discussed in this progress report:

1. Ground Water/DNAPL/LNAPL Monitoring
   a) Quarterly Monitoring
   b) Monthly Monitoring
2. Product Recovery Program
   a) DNAPL Recovery
   b) LNAPL Recovery
3. Ground Water Treatment System
   a) Sewer Connection
   b) Permits
   c) Evaluation and Testing of Ground Water Recovery System
   d) Treatment of Basement Seepage Water
4. Off-Site Investigation
5. Waste Disposal Documentation
6. Schedule and Cost Estimates

1. Ground Water/DNAPL/LNAPL Monitoring

This section includes the results of quarterly monitoring performed in October 1995, and monthly monitoring performed in November and December 1995. Modifications to the New Jersey Department of Environmental Protection (NJDEP) approved "Groundwater/DNAPL/LNAPL Monitoring Plan" prepared by Killam Associates had been presented in our progress report dated October 24, 1994. The modifications were approved by the NJDEP in its June 12, 1995 letter. Sections 1a and 1b provide details for quarterly and monthly monitoring respectively.

1a. Quarterly Monitoring

Hexcel conducted quarterly ground water elevation, DNAPL and LNAPL monitoring on October 10, 1995 in accordance with the monitoring plans. Results are tabulated in Table 1. Figures 1 and 2 illustrate shallow and deep ground water elevation contours respectively. Contour Map Reporting Forms are enclosed for each of the contour maps. Table 2 contains a summary of well construction data to accompany the Contour Map Reporting Form for Figure 1. Figures 1 and 2, Tables 1 and 2, and the reporting forms are located in Appendix A.

We have scheduled the January quarterly monitoring for January 23, 1996. The monitoring could not be scheduled in the first week of January because most of the flush-mounted wells were under ice due to the very cold temperatures following the snow storm in the third week of December. Approximately 24 inches of snow accumulated after the blizzard in the second week of January. Most of the flush-mounted and stick-up wells were buried under ice and piles of snow. Based on the site reconnaissance conducted on January 17, Hexcel will monitor twenty-seven (27) shallow wells and nine (9) deep wells during the January quarterly monitoring. The number of wells monitored may change if more wells become accessible. For the October 1995 quarterly monitoring, fifty-three (53) shallow wells and ten (10) deep wells were monitored. Using the October ground water elevation data, contours were generated using only those wells that were accessible at the time of site reconnaissance on January 17; comparison of contours for reduced number of wells with contours for all the wells monitored in October indicates that the difference in contours is not significant. Hexcel will review the option of monitoring a reduced number of wells in the quarterly monitoring in the future if further analyses indicates that smaller number of wells can be used to generate representative ground water contours.

One of the shallow wells (MW-32) was damaged during snow plowing at the site. We are evaluating whether the well can be repaired or needs to be abandoned. We will address this issue further in our next progress report.

1b. Monthly Monitoring

On November 9 and December 7, 1995, Hexcel conducted monthly DNAPL and LNAPL monitoring in accordance with the monitoring plans and modifications approved by the NJDEP in its June 12, 1995 letter. Additionally, the following modifications were made to the monthly monitoring plan this quarter:

- MW-17 and RW15-1: These wells were included in the monthly monitoring following detection of LNAPL on the product-interface probe during the October quarterly monitoring.

- CW-15: CW-15 was removed from the monthly monitoring program in December after ground water recovery equipment was re-installed in the well. It is impractical to dismantle equipment installed in the well for monthly monitoring. This recovery well had been included in the temporary product recovery program after DNAPL was detected in the well when an inventory of the equipment installed in the recovery wells was taken on August 30, 1995. CW-15 was removed from the weekly product recovery in the second week of November after three consecutive weeks of non-recoverable product.

- MW-23, RW1-1, RW6-3 and RW7-5: These wells will be moved from the monthly monitoring program to the quarterly monitoring program because three consecutive rounds of monitoring (October, November and December 1995) have not indicated presence of product in these wells. Hexcel will continue to monitor these wells quarterly.

Results for November and December monthly monitoring are provided in Tables 3 and 4 located in Appendix B.

Hexcel will continue to modify the monthly monitoring by the addition or deletion of wells in accordance with the approved plan.

2. Product Recovery Program

This section includes results for the temporary product recovery program currently being implemented at the site. A temporary product recovery program, consisting of manually recovering product from affected wells on a weekly basis, was initiated on October 20, 1994. After one month, the program's frequency was reduced to twice a month due to a reduction in the quantity of product recovered. Product recovery continued at the rate of at least twice a month through the week of June 19, 1995. In

accordance with the NJDEP's June 12, 1995 letter, weekly product recovery was resumed the week of June 26, 1995.

In the third week of September 1995, Hexcel modified the weekly product recovery program by revising the criteria for inclusion of wells in the program. The modifications were communicated to the NJDEP in our letter dated September 21, 1995 and also in the October 1995 progress report. According to the modifications, any well which has no measurable recovery for three concurrent weekly recovery rounds will be moved to monthly monitoring and recovery. For the purposes of product collection, quantities greater than 0.1 gallon (approximately 1 cup) are considered to be measurable.

2a. DNAPL Recovery

The wells that have indicated presence of DNAPL have been fitted with tubing to allow for product recovery using peristaltic pump. During the fourth quarter, DNAPL was recovered consistently from MW-6 and PB-2 only. DNAPL recovery during the fourth quarter of 1995 is summarized in Table 5, located in Appendix C.

2b. LNAPL Recovery

During the fourth quarter of 1995, LNAPL was recovered only from MW-6. Also, the quantity of LNAPL recovered from MW-6 was significantly less than that recovered during the third quarter of 1995. The hydrophobic passive recovery device installed in MW-6 was replaced with an absorbent pad due to the decreased amount of LNAPL in the well. Results for LNAPL recovery are summarized in Table 6 located in Appendix C.

3. Ground Water Treatment System

This section includes documentation of Hexcel's efforts regarding evaluation and operation of the existing ground water treatment system. The following subsections provide the details.

3a. Sewer Connection

The construction of the sewer connection was initiated on December 4, 1995. The installation of the piping was completed on December 6, 1995. The pump from the treatment system to the sewer line was installed on January 16-17, 1996. The permit application for discharge to the local sewer authority, the Passaic Valley Sewerage Commissioners (PVSC), was submitted to the PVSC on December 14, 1995. Upon approval of the PVSC permit, Hexcel will be able to discharge treated ground water into the sewer line.

3b. Permits

Before Hexcel will be able to test the ground water recovery system, the following permits must be obtained. The status of each permit is also described below:

- PVSC permit to discharge to sewer system.
  An application was submitted to the PVSC on December 14, 1995. Hexcel has requested that the PVSC schedule an inspection of the completed sewer line and equipment installation.

- Air permit for pilot test for recovery system.
  On December 19, 1995, we sent a letter to the NJDEP's Bureau of New Source Review requesting a meeting and modification of the existing air permit conditions. We understand that the Bureau of New Source Review is reviewing the current permit and intends to respond in late January.

3c. Evaluation and Testing of Ground Water Recovery System

Hexcel has renovated the existing ground water recovery system in anticipation of testing the system once the PVSC permit is in place and the NJDEP's air permits group has granted permission for pilot testing. On November 20 and 21, 1995, a QED Environmental Systems, Inc. (QED) field technician replaced the exhaust valves and remote well operators and repaired any detected leaks at each recovery well. The recovery well equipment is now operational at all recovery wells except for CW-3 which has a leak at the pitless adapter. We suspect that one of the components of the pitless adapter is defective and we are reviewing options for replacing the components.

Other evaluation and testing of the recovery system are planned following permit approvals, in order to optimize the system for hydraulic control. The schedule provided in Table 7 of this progress report includes current estimates for the testing of the system, modifications of the design of the system and reporting the design proposal to NJDEP.

3d. Treatment of Basement Seepage Water

Basement seepage water continues to be treated on-site and is being disposed of off-site at the DuPont Chambers Works facility, Deepwater, New Jersey. Disposal documentation has been attached as Appendix D.

4. Off-Site Investigation

As requested in the NJDEP's June 12, 1995 letter, Hexcel still plans to explore the possibility of obtaining additional monitoring well data from the Napp property. Hexcel is

awaiting information on Napp's plans for investigation and cleanup and then will seek access to the data from any monitoring wells that are installed during Napp's cleanup program.

5. Waste Disposal Documentation

Enclosed as Appendix D are manifests and a summary table for waste disposal during October, November and December 1995.

6. Schedule and Cost Estimates

Table 7 located in Appendix E presents an updated estimate of the schedule of remaining remedial activities. There has been no change to date in the estimate of cleanup costs.

Sincerely,

GEO ENGINEERING, INC.

Marjorie A. Piette
Project Manager

MAP/lll
Enclosures
cc: A. William Nosil
Lisa Bromberg, Esq.
James Higdon

Appendix A

TABLE 1: SUMMARY OF QUARTERLY WATER LEVEL/PRODUCT THICKNESS MEASUREMENTS (10/10/95)

Former Hexcel Facility

Lodi, New Jersey

-All measurements in feet -

-All elevations in feet (NGVD)-

January 1996

File: 94039/wldata/Quartrly.xls

Entered by: RMS Checked by: SG

Well ID	Type	Depth to Water	Depth to Product		Product Thickness	Depth to Bottom	Elevation Top of Casing	Water Elevation	Well Construction (all 4" diameter unless otherwise noted)		
			DNAPL	LNAPL					Type	Casing	Comments
RW Series:											
RW1-1	shallow	5.41	--	--	--	14.29	28.24	22.83	flush	s.steel	
RW6-1	shallow	3.83	--	--	--	13.72	28.84	25.01	flush	s.steel	Trace product on probe (DNAPL)
RW6-2	shallow	4.18	--	--	--	14.74	29.34	25.16	flush	s.steel	Solid white precipitate on probe
RW6-3	shallow	3.98				5.42	28.72	24.74	flush	s.steel	
RW7-1	shallow	6.11	--	--	--	16.62	26.25	20.14	flush	s.steel	Product on probe (DNAPL)
RW7-2	shallow	6.62	--	--	--	16.80	26.48	19.86	flush	s.steel	
RW7-3	shallow	6.68	--	--	--	17.26	26.78	20.10	flush	s.steel	
RW7-4	shallow	7.12	--	--	--	19.08	27.11	19.99	flush	s.steel	Product on probe (DNAPL)
RW7-5	shallow	7.69	--	--	--	19.47	27.57	19.88	flush	s.steel	
RW7-6	shallow	7.02	--	--	--	14.97	26.48	19.46	flush	s.steel	
RW7-7	shallow	7.10	--	--	--	14.89	26.89	19.79	flush	s.steel	
RW7-8	shallow	5.93	--	--	--	14.46	25.90	19.97	flush	s.steel	
RW7-9	shallow	7.15	--	--	--	16.12	26.87	19.72	flush	s.steel	
RW7-10	shallow	7.02	--	--	--	14.17	26.10	19.08	flush	s.steel	
RW15-1	shallow	7.47	--	--	--	14.87	29.95	22.48	flush	s.steel	Trace product on probe (LNAPL)
RW15-2	shallow						30.15		flush	s.steel	Well not included in quarterly monitoring plan
P Series:											
P-1	shallow	7.07	--	--	--	9.82	30.09	23.02	flush	1.5" pvc	
P-2	shallow	7.73	--	--	--	11.70	30.19	22.46	flush	1.5" pvc	
PI Series:											
PI-1	deep						26.90		flush	8" s.steel	Well not included in quarterly monitoring plan

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Former Hexcel Facility File: 94039/wldata/Quartrly.xls
Lodi, New Jersey -All measurements in feet - Entered by: RMS Checked by: SG
-All elevations in feet (NGVD)-

Well ID	Type	Depth to Water	Depth to Product		Product Thickness	Depth to Bottom	Elevation Top of Casing	Water Elevation	Well Construction (all 4" diameter unless otherwise noted)		
			DNAPL	LNAPL					Type	Casing	Comments
CW Series:											
CW-1	shallow	7.25	--	--	--	11.44	29.77	22.52	flush	s.steel	
CW-2	shallow						29.51		flush	s.steel	Well not included in quarterly monitoring plan
CW-3	recov.						29.72		flush	s.steel	Well not included in quarterly monitoring plan
CW-4	shallow	6.21	--	--	--	10.94	29.00	22.79	flush	s.steel	
CW-5	recov.						28.67		flush	s.steel	Well not included in quarterly monitoring plan
CW-6	shallow						28.93		flush	s.steel	Well not included in quarterly monitoring plan
CW-7	shallow	7.27	--	--	--	13.99	26.13	18.86	flush	s.steel	Product on probe (LNAPL)
CW-8	shallow	8.41	--	--	--	13.90	26.77	18.36	flush	s.steel	
CW-9	recov.						26.37		flush	s.steel	Well not included in quarterly monitoring plan
CW-10	shallow	7.39	--	--	--	10.23	25.91	18.52	flush	s.steel	
CW-11	recov.						25.74		vaultbox	s.steel	Well not included in quarterly monitoring plan
CW-12	shallow	7.23	--	--	--	13.95	25.71	18.48	flush	s.steel	Product on probe (DNAPL)
CW-13	shallow						26.05		flush	s.steel	Well not included in quarterly monitoring plan
CW-14	shallow	7.75	--	--	--	13.88	26.37	18.62	flush	s.steel	
CW-15	recov.	7.80	--	--	--	13.91	26.31	18.51	flush	s.steel	Product on probe (DNAPL)
CW-16	shallow	7.80	--	--	--	13.91	26.45	18.65	flush	s.steel	Product on probe (DNAPL)
CW-17	shallow	N/A	--	--	--	N/A	26.25		flush	s.steel	Inaccesible due to drum storage
CW-18	recov.						26.61		flush	s.steel	Well not included in quarterly monitoring plan
CW-19	shallow						26.50		flush	s.steel	Well not included in quarterly monitoring plan
CW-20	shallow						26.74		flush	s.steel	Well not included in quarterly monitoring plan
CW-21	recov.						26.77		flush	s.steel	Well not included in quarterly monitoring plan
CW-22	shallow						26.35		flush	s.steel	Well not included in quarterly monitoring plan

TABLE 1: SUMMARY OF QUARTERLY WATER LEVEL/PRODUCT THICKNESS MEASUREMENTS (10/10/95) January 1996
Former Hexcel Facility File: 94039/wldata/Quartrly.xls
Lodi, New Jersey -All measurements in feet - Entered by: RMS Checked by: SG
-All elevations in feet (NGVD)-

Well ID	Type	Depth to Water	Depth to Product		Product Thickness	Depth to Bottom	Elevation Top of Casing	Water Elevation	Well Construction (all 4" diameter unless otherwise noted)		
			DNAPL	LNAPL					Type	Casing	Comments
MW Series:											
MW-1	deep	10.31	--	--	--	23.50	32.42	22.11	stickup	pvc	
MW-2	shallow	8.26	--	--	--	10.24	31.00	22.74	stickup	pvc	
MW-3	deep	11.01	--	--	--	30.75	31.13	20.12	stickup	pvc	
MW-4	shallow	8.03	--	--	--	9.89	32.33	24.30	stickup	pvc	
MW-5	deep	11.73	--	--	--	28.30	32.54	20.81	stickup	pvc	
MW-6	shallow	10.35	17.25	--	--	18.31	30.74	20.39	stickup	pvc	Product on probe (LNAPL and DNAPL)
MW-7	deep	10.36	--	--	--	32.90	30.68	20.32	stickup	pvc	
MW-8	shallow	11.99	--	--	--	14.33	30.26	18.27	stickup	pvc	Product on probe (DNAPL)
MW-9	deep	9.56	--	--	--	29.55	29.83	20.27	stickup	pvc	
MW-10	shallow	13.21	--	--	--	17.31	30.83	17.62	stickup	pvc	
MW-11	deep	10.73	--	--	--	33.42	30.78	20.05	stickup	pvc	
MW-12	shallow	10.73	--	--	--	17.20	31.01	20.28	stickup	pvc	
MW-13	deep	10.40	--	--	--	32.90	31.16	20.76	stickup	pvc	
MW-14	shallow	11.54	--	--	--	15.59	30.70	19.16	stickup	pvc	
MW-15	deep	9.53	--	--	--	25.57	30.77	21.24	stickup	pvc	
MW-16	shallow	7.22	--	--	--	12.29	29.69	22.47	stickup	pvc	
MW-17	shallow	9.48	--	--	--	14.07	31.53	22.05	stickup	pvc	Product on probe (LNAPL)/Insalled pad
MW-18	shallow	9.22	--	--	--	11.26	32.23	23.01	stickup	pvc	
MW-19	deep	7.65	--	--	--	26.57	29.08	21.43	stickup	pvc	
MW-20	shallow	5.22	--	--	--	20.04	27.95	22.73	flush	pvc	
MW-21	shallow	8.88	--	--	--	15.10	30.67	21.79	stickup	pvc	
MW-22	shallow	5.93	--	--	--	8.21	28.45	22.52	flush	pvc	
MW-23	shallow	4.64	--	--	--	9.68	27.51	22.87	flush	pvc	
MW-24	shallow	4.02	--	--	--	9.49	26.51	22.49	flush	pvc	
MW-25	shallow	7.42	--	--	--	12.72	26.03	18.61	flush	pvc	

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TABLE 1: SUMMARY OF QUARTERLY WATER LEVEL/PRODUCT THICKNESS MEASUREMENTS (10/10/95) January 1996
Former Hexcel Facility File: 94039/wldata/Quartrly.xls
Lodi, New Jersey -All measurements in feet - Entered by: RMS Checked by: SG
-All elevations in feet (NGVD)-

Well ID	Type	Depth to Water	Depth to Product		Product Thickness	Depth to Bottom	Elevation Top of Casing	Water Elevation	Well Construction (all 4" diameter unless otherwise noted)		
			DNAPL	LNAPL					Type	Casing	Comments
MW Series:											
MW-26	deep	8.05	--	--	--	17.92	28.85	20.80	flush	2" pvc	Trace product on probe (DNAPL)
MW-27	shallow	7.27	--	--	--	12.50	31.43	24.16	stickup	pvc	
MW-28	shallow	10.78	--	--	--	14.75	29.68	18.90	stickup	pvc	
MW-29	shallow	4.44	--	--	--	9.31	27.32	22.88	flush	pvc	
MW-30	shallow	5.24	--	--	--	10.45	28.08	22.84	flush	pvc	
MW-31	shallow	5.28	--	--	--	10.61	27.95	22.67	flush	pvc	
MW-32	shallow	9.01	--	--	--	11.23	32.51	23.50	stickup	pvc	
MW-33	shallow	10.04	--	--	--	16.96	31.72	21.68	stickup	pvc	
PB Series:											
PB-1*	shallow	0.71	--	--	--	5.61	21.78	21.07	stickup	2" g.steel	
PB-2*	shallow	2.16	5.51	--	0.30	5.81	21.25	19.09	stickup	2" g.steel	Product on probe (DNAPL)
PB-4*	shallow	2.21	--	--	--	5.70	21.52	19.31	stickup	2" g.steel	

NOTES: All Measurements of depths are from the top of casing unless otherwise noted.

-- : Not detected by product interface meter.

* : Top of casing elevation was changed on 9/19/95; the casing was extended to be able to measure water level depth with the product interface meter.

NA : Well not accessible.

Many of the wells have accumulated sediment which results in slight fluctuations in the measurements of depth to bottom.

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TABLE 2: SUMMARY OF WELL CONSTRUCTION DATA
Former Hexcel Facility
Lodi, New Jersey

-All measurements in feet -
-All elevations in feet (NGVD)-

January 1996
File: 94039/wldata/wellscrn.xls
Sheet: Modified October
Entered by: SG; Checked by: SKT

Well ID	Type	Ground Elevation	Elevation Top of Casing	Depth to Bottom (10/10/95)	Length of Screen	Elevation Top of Screen	Depth to Water (10/10/95)	Water Elevation (10/10/95	Well Construction *		Installation		Water Table Elv. > Top of Screen Elv.
									Type	Casing	Date	By	
RW Series:													
RW1-1	shall.	28.67	28.24	14.29	10	23.67	5.41	22.83	flush	s.steel	10/91	Heritage	No
RW6-1	shall.	29.28	28.84	13.72	5	20.28	3.83	25.01	flush	s.steel	8/90	Heritage	Yes
RW6-2	shall.	U	29.34	14.74	5	U	4.18	25.16	flush	s.steel	8/90	Heritage	U
RW6-3	shall.	29.02	28.72	5.42	5	27.52	3.98	24.74	flush	s.steel	8/90	Heritage	No
RW7-1	shall.	26.94	26.25	16.62	5	13.94	6.11	20.14	flush	s.steel	8/90	Heritage	Yes
RW7-2	shall.	27.07	26.48	16.80	5	14.57	6.62	19.86	flush	s.steel	8/90	Heritage	Yes
RW7-3	shall.	27.17	26.78	17.26	5	14.67	6.68	20.10	flush	s.steel	8/90	Heritage	Yes
RW7-4	shall.	27.60	27.11	19.08	5	13.60	7.12	19.99	flush	s.steel	8/90	Heritage	Yes
RW7-5	shall.	27.97	27.57	19.47	5	12.97	7.69	19.88	flush	s.steel	9/90	Heritage	Yes
RW7-6	shall.	27.10	26.48	14.97	5	17.10	7.02	19.46	flush	s.steel	9/90	Heritage	Yes
RW7-7	shall.	27.25	26.89	14.89	5	17.25	7.10	19.79	flush	s.steel	9/90	Heritage	Yes
RW7-8	shall.	26.71	25.90	14.46	5	16.71	5.93	19.97	flush	s.steel	9/90	Heritage	Yes
RW7-9	shall.	27.18	26.87	16.12	5	15.18	7.15	19.72	flush	s.steel	2/91	Heritage	Yes
RW7-10	shall.	26.50	26.10	14.17	5	16.50	7.02	19.08	flush	s.steel	2/91	Heritage	Yes
RW15-1	shall.	30.43	29.95	14.87	10	25.68	7.47	22.48	flush	s.steel	8/90	Heritage	No
RW15-2	shall.	30.37	30.15	NI	10	26.37	NI	NI	flush	s.steel	8/90	Heritage	NI
P Series:													
P-1	shall.	U	30.09	9.82	U	U	7.07	23.02	flush	1.5" pvc	U	U	U
P-2	shall.	U	30.19	11.70	U	U	7.73	22.46	flush	1.5" pvc	U	U	U
PI Series:													
PI-1	deep	U	26.90	NI	U	U	NI	NI	flush	s.steel	10/91	Heritage	^

TABLE 2: SUMMARY OF WELL CONSTRUCTION DATA
Former Hexcel Facility
Lodi, New Jersey

-All measurements in feet -
-All elevations in feet (NGVD)-

January 1996
File: 94039/wldata/wellscrn.xls
Sheet: Modified October
Entered by: SG; Checked by: SKT

Well ID	Type	Ground Elevation	Elevation Top of Casing	Depth to Bottom (10/10/95)	Length of Screen	Elevation Top of Screen	Depth to Water (10/10/95)	Water Elevation (10/10/95	Well Construction *		Installation		Water Table Elv. > Top of Screen Elv.
									Type	Casing	Date	By	
CW Series:													
CW-1	shall.	30.27	29.77	11.44	5	23.27	7.25	22.52	flush	s.steel	9/90	Heritage	No
CW-2	shall.	30.11	29.51	NI	5	23.11	NI	NI	flush	s.steel	9/90	Heritage	NI
CW-3	recov.	U	29.72	NI	5	U	NI	NI	flush	s.steel	9/90	Heritage	NI
CW-4	shall.	29.10	29.00	10.94	5	22.60	6.21	22.79	flush	s.steel	7/90	Heritage	Yes
CW-5	recov.	28.89	28.67	NI	5	22.39	NI	NI	flush	s.steel	7/90	Heritage	NI
CW-6	shall.	29.25	28.93	NI	5	25.25	NI	NI	flush	s.steel	9/90	Heritage	NI
CW-7	shall.	26.70	26.13	13.99	5	17.70	7.27	18.86	flush	s.steel	8/90	Heritage	Yes
CW-8	shall.	26.70	26.77	13.90	5	17.70	8.41	18.36	flush	s.steel	8/90	Heritage	Yes
CW-9	recov.	26.60	26.37	NI	5	17.60	NI	NI	flush	s.steel	8/90	Heritage	NI
CW-10	shall.	26.50	25.91	10.23	5	17.50	7.39	18.52	flush	s.steel	8/90	Heritage	Yes
CW-11	recov.	26.60	25.74	NI	5	17.60	NI	NI	vaultbox	s.steel	8/90	Heritage	NI
CW-12	shall.	26.51	25.71	13.95	5	17.51	7.23	18.48	flush	s.steel	8/90	Heritage	Yes
CW-13	shall.	26.60	26.05	NI	5	17.60	NI	NI	flush	s.steel	8/90	Heritage	NI
CW-14	shall.	26.70	26.37	13.88	5	17.70	7.75	18.62	flush	s.steel	8/90	Heritage	Yes
CW-15	recov.	26.90	26.31	13.91	5	17.90	7.80	18.51	flush	s.steel	8/90	Heritage	Yes
CW-16	shall.	27.00	26.45	13.91	5	18.00	7.80	18.65	flush	s.steel	8/90	Heritage	Yes
CW-17	shall.	27.10	26.25	NI	5	18.10	NI	NI	flush	s.steel	8/90	Heritage	NI
CW-18	recov.	27.20	26.61	NI	5	18.20	NI	NI	flush	s.steel	8/90	Heritage	NI
CW-19	shall.	27.20	26.50	NI	5	18.20	NI	NI	flush	s.steel	8/90	Heritage	NI
CW-20	shall.	27.30	26.74	NI	5	18.30	NI	NI	flush	s.steel	8/90	Heritage	NI
CW-21	recov.	27.40	26.77	NI	5	18.40	NI	NI	flush	s.steel	8/90	Heritage	NI
CW-22	shall.	27.30	26.35	NI	5	18.30	NI	NI	flush	s.steel	8/90	Heritage	NI

882740013

TABLE 2: SUMMARY OF WELL CONSTRUCTION DATA
Former Hexcel Facility
Lodi, New Jersey

-All measurements in feet -
-All elevations in feet (NGVD)-

January 1996
File: 94039/wldata/wellscrn.xls
Sheet: Modified October
Entered by: SG; Checked by: SKT

Well ID	Type	Ground Elevation	Elevation Top of Casing	Depth to Bottom (10/10/95)	Length of Screen	Elevation Top of Screen	Depth to Water (10/10/95)	Water Elevation (10/10/95	Well Construction *		Installation		Water Table Elv. > Top of Screen Elv.
									Type	Casing	Date	By	
MW Series:													
MW-1	deep	29.03	32.42	23.50	5	13.88	10.31	22.11	stickup	pvc	7/88	Environ	^
MW-2	shall.	27.90	31.00	10.24	5	26.13	8.26	22.74	stickup	pvc	8/88	Environ	No
MW-3	deep	27.84	31.13	30.75	5	5.30	11.01	20.12	stickup	pvc	8/88	Environ	^
MW-4	shall.	29.02	32.33	9.89	5	27.49	8.03	24.30	stickup	pvc	8/88	Environ	No
MW-5	deep	29.03	32.54	28.30	5	9.12	11.73	20.81	stickup	pvc	8/88	Environ	^
MW-6	shall.	27.14	30.74	18.31	10	22.12	10.35	20.39	stickup	pvc	8/88	Environ	No
MW-7	deep	27.18	30.68	32.90	5	2.55	10.36	20.32	stickup	pvc	7/88	Environ	^
MW-8	shall.	26.92	30.26	14.33	10	22.98	11.99	18.27	stickup	pvc	8/88	Environ	No
MW-9	deep	26.89	29.83	29.55	5	5.09	9.56	20.27	stickup	pvc	7/88	Environ	^
MW-10	shall.	27.33	30.83	17.31	11	24.81	13.21	17.62	stickup	pvc	8/88	Environ	No
MW-11	deep	27.28	30.78	33.42	10	6.86	10.73	20.05	stickup	pvc	7/88	Environ	^
MW-12	shall.	27.62	31.01	17.20	10	24.05	10.73	20.28	stickup	pvc	8/88	Environ	No
MW-13	deep	27.63	31.16	32.90	5	2.89	10.40	20.76	stickup	pvc	7/88	Environ	^
MW-14	shall.	27.12	30.70	15.59	9	24.18	11.54	19.16	stickup	pvc	8/88	Environ	No
MW-15	deep	27.17	30.77	25.57	5	10.13	9.53	21.24	stickup	pvc	7/88	Environ	^
MW-16	shall.	26.71	29.69	12.29	5	22.14	7.22	22.47	stickup	pvc	8/88	Environ	Yes
MW-17	shall.	29.10	31.53	14.07	8	25.10	9.48	22.05	stickup	pvc	1/89	Environ	No
MW-18	shall.	29.04	32.23	11.26	5	25.97	9.22	23.01	stickup	pvc	8/88	Environ	No
MW-19	deep	27.30	29.08	26.57	5	7.30	7.65	21.43	stickup	pvc	1/89	Environ	^
MW-20	shall.	28.50	27.95	20.04	5	13.50	5.22	22.73	flush	pvc	11/90	Heritage	Yes
MW-21	shall.	28.80	30.67	15.10	10	25.80	8.88	21.79	stickup	pvc	9/90	Heritage	No
MW-22	shall.	28.73	28.45	8.21	5	25.73	5.93	22.52	flush	pvc	12/90	Heritage	No
MW-23	shall.	27.83	27.51	9.68	5	22.83	4.64	22.87	flush	pvc	11/90	Heritage	Yes
MW-24	shall.	26.93	26.51	9.49	5	21.93	4.02	22.49	flush	pvc	11/90	Heritage	Yes
MW-25	shall.	26.47	26.03	12.72	10	23.47	7.42	18.61	flush	pvc	9/90	Heritage	No

TABLE 2: SUMMARY OF WELL CONSTRUCTION DATA
Former Hexcel Facility
Lodi, New Jersey

-All measurements in feet -
-All elevations in feet (NGVD)-

January 1996
File: 94039/wldata/wellscrn.xls
Sheet: Modified October
Entered by: SG; Checked by: SKT

Well ID	Type	Ground Elevation	Elevation Top of Casing	Depth to Bottom (10/10/95)	Length of Screen	Elevation Top of Screen	Depth to Water (10/10/95)	Water Elevation (10/10/95	Well Construction *		Installation		Water Table Elv. > Top of Screen Elv.
									Type	Casing	Date	By	
MW Series:													
MW-26	deep	29.26	28.85	17.92	2	12.26	8.05	20.80	flush	2" pvc	12/90	Heritage	^
MW-27	shall.	29.10	31.43	12.50	5	24.10	7.27	24.16	stickup	pvc	9/90	Heritage	Yes
MW-28	shall.	27.50	29.68	14.75	10	24.50	10.78	18.90	stickup	pvc	9/90	Heritage	No
MW-29	shall.	27.50	27.32	9.31	5	22.50	4.44	22.88	flush	pvc	2/91	Heritage	Yes
MW-30	shall.	28.25	28.08	10.45	5	22.25	5.24	22.84	flush	pvc	2/91	Heritage	Yes
MW-31	shall.	28.33	27.95	10.61	5	22.33	5.28	22.67	flush	pvc	2/91	Heritage	Yes
MW-32	shall.	U	32.51	11.23	6	U	9.01	23.50	stickup	pvc	4/92	Heritage	U
MW-33	shall.	U	31.72	16.96	10	U	10.04	21.68	stickup	pvc	4/92	Heritage	U
PB Series:													
PB-1	shallow	17.46	21.78	5.61	1	16.46	0.71	21.07	stickup	2" g.steel	6/95	GEO	Yes
PB-2	shallow	17.50	21.25	5.81	1	16.70	2.16	19.09	stickup	2" g.steel	6/95	GEO	Yes
PB-4	shallow	17.52	21.52	5.70	1	16.72	2.21	19.31	stickup	2" g.steel	6/95	GEO	Yes

NOTES: Refer to "Table 2: Summary of Well Construction Data " provided in Appendix B of Progress Report dated July 31, 1995 for the list of sources used for compiling this table.

All Measurements of depths are from the top of casing unless otherwise noted.

NI : Well not included in the 10/10/95 Quarterly Monitoring or well was inaccessible on that date.

U : Unknown.

* : All wells 4" diameter unless otherwise noted.

NA : Not available.

^ : Well is screened in the confined aquifer, therefore, the question is not applicable.

882740015

Contour Map Reporting Form

Site Name: Former Hexcel Facility, Lodi, NJ
Project No.: 94039

Figure No.: A-1
Water levels taken on 10/10/95

1. Did any surveyed well casing elevations change from the previous sampling event? ☐Yes
   If yes, attach new "Well Certification -Form B" and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.) ☑No

2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? ☑Yes ☐No
   If yes, identify these wells.

   Monitor wells for which the water table elevations are higher than the top of the well screen are identified in Table 2: Summary of Well Construction Data provided in Appendix A.

3. Are there any monitor wells present at the site but omitted from the contour map? ☑Yes
   Unless the omission of the well(s) has been previously approved by the Department, justify the omissions. ☐No

   Quarterly ground water elevation monitoring plan approved by NJDEP in its June 12, 1995 letter. Also refer to notes on Figure A-1.

4. Are there any monitor wells containing separate phase product during this measuring event? ☑Yes ☐No

   Were any of the monitor wells with separate phase product included in the ground water contour map? ☑Yes
   If yes show the formula used to correct the water table elevation. ☐No

   Separate phase product, where measurable, consists of DNAPL, not LNAPL; therefore, no correction is necessary.

5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? ☐Yes
   If yes, discuss the reasons for the change. ☑No

6. Has ground water mounding and/or depressions been identified in the ground water contour map? ☑Yes
   Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence. ☐No

   It is not known why mounding occurs in the vicinity of building 2.

7. Are all the wells used in the contour map screened in the same water-bearing zone? ☑ Yes
   If no, justify inclusion of those wells. ☐ No

8. Were the ground water contours
   ☑ computer generated, ☐ computer aided, or ☐ hand-drawn?
   If computer aided or generated, identify the interpolation method(s) used.

   Kriging Routine

Contour Map Reporting For...

Site Name: Former Hexcel Facility, Lodi, NJ
Project No.: 94039

Figure No.: A-2
Water levels taken on 10/10/95

1. Did any surveyed well casing elevations change from the previous sampling event? ☐Yes
   If yes, attach new "Well Certification -Form B" and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.) ☑No

2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? ☐Yes ☐No
   If yes, identify these wells.

   Not applicable because confined aquifer.

3. Are there any monitor wells present at the site but omitted from the contour map? ☐Yes
   Unless the omission of the well(s) has been previously approved by the Department, justify the omissions. ☑No

4. Are there any monitor wells containing separate phase product during this measuring event? ☐Yes ☑No

   Were any of the monitor wells with separate phase product included in the ground water contour map? ☐Yes
   If yes show the formula used to correct the water table elevation. ☑No

5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? ☐Yes
   If yes, discuss the reasons for the change. ☑No

6. Has ground water mounding and/or depressions been identified in the ground water contour map? ☐Yes
   Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence. ☑No

7. Are all the wells used in the contour map screened in the same water-bearing zone? ☑Yes
   If no, justify inclusion of those wells. ☐No

8. Were the ground water contours
   ☑ computer generated, ☐ computer aided, or ☐ hand-drawn?
   If computer aided or generated, identify the interpolation method(s) used.

   Kriging method.

Appendix B

TABLE 3: SUMMARY OF MONTHLY WATER LEVEL/PRODUCT THICKNESS MEASUREMENTS
FOR NOVEMBER 1995
Former Hexcel Facility
Lodi, New Jersey

GEO Engineering, Inc.
January 1996
File: 94039/wldata/Monthly.xls
Entered by: SG Check: RMS

-All measurements in feet -
-All elevations in feet (NGVD)-

MEASUREMENTS COLLECTED : 11/9/95

Well ID	Type	Depth to Water	Depth to Product		Product Thickness	Depth to Bottom	Elevation Top of Casing	Water Elevation	Comments
			DNAPL	LNAPL					
CW-7	shallow	7.01	--	--	--	13.97	26.13	19.12	
CW-12	shallow	6.91	--	--	--	13.96	25.71	18.80	Product on probe (DNAPL)**
CW-15	shallow	7.45	--	--	--	13.91	26.31	18.86	Product on probe (DNAPL)**
CW-16	shallow	7.24	--	--	--	13.91	26.45	19.21	Product on probe (DNAPL)**
MW-6	shallow	9.99	17.88	--	0.42	18.30	30.74	20.75	Product on probe (DNAPL)
MW-8	shallow	11.41	--	--	--	17.33	30.26	18.85	Product on probe (DNAPL)**
MW-17	shallow	8.99	--	--	--	14.08	31.53	22.54	Product on probe (LNAPL)**
MW-23	shallow	4.08	--	--	--	9.61	27.51	23.43	Sediment on probe
MW-26	deep	8.10	--	--	--	17.92	28.85	20.75	
RW1-1	shallow	5.23	--	--	--	14.27	28.24	23.01	
RW6-1	shallow	3.86	--	--	--	13.72	28.84	24.98	Product on probe (DNAPL)**
RW6-3	shallow	3.98	--	--	--	5.42	28.72	24.74	Brown liquid in annular space of well ^
RW7-1	shallow	5.66	16.40	--	0.21	16.61	26.25	20.59	Product on probe (DNAPL)
RW7-4	shallow	6.82	--	--	--	19.05	27.11	20.29	Product on probe (DNAPL and LNAPL)**
RW7-5	shallow	7.36	--	--	--	19.37	27.57	20.21	
RW15-1	shallow	6.86	--	--	--	14.89	29.95	23.09	
P-2	shallow	7.01	--	--	--	11.62	30.06	23.05	Product on probe (LNAPL)**
PB-2	shallow	1.86	5.42	--	0.39	5.81	21.25	19.39	Product on probe (DNAPL)**

NOTES: All Measurements of depths are from the top of casing unless otherwise noted.

-- Not detected by product interface meter.

* - In wells with LNAPL, water levels are corrected using the equation: DTW (corrected) = DTW (measured) - (Product thickness * specific gravity). Specific gravity of 0.88 used for water level correction (petroleum lubricating oil).

** - *Though the product-interface meter did not register presence of product in the well, product was observed on the probe when the probe was taken out.*

^- RW6-3 is inside Building 2. The brown liquid in the annular space could be due to current operations at the site.

Many of the wells have accumulated sediment which results in slight fluctuations in the measurements of depth to bottom.

TABLE 4: SUMMARY OF MONTHLY WATER LEVEL/PRODUCT THICKNESS MEASUREMENTS
FOR DECEMBER 1995
Former Hexcel Facility
Lodi, New Jersey

GEO Engineering, Inc.
January 1996
File: 94039/wldata/Monthly.xls
Entered by: SG Check: RMS

-All measurements in feet -
-All elevations in feet (NGVD)-

MEASUREMENTS COLLECTED : 12/7/95

Well ID	Type	Depth to Water	Depth to Product		Product Thickness	Depth to Bottom	Elevation Top of Casing	Water Elevation	Comments
			DNAPL	LNAPL					
CW-7	shallow	7.08	--	--	--	13.99	26.13	19.05	
CW-12	shallow	7.12	--	--	--	13.97	25.71	18.59	Product on probe (DNAPL)**
CW-16	shallow	7.41	--	--	--	13.91	26.45	19.04	Product on probe (DNAPL)**
MW-6	shallow	9.98	--	--	--	18.30	30.74	20.76	Product on probe (DNAPL)**; floc on probe
MW-8	shallow	11.72	--	--	--	17.33	30.26	18.54	Product on probe (DNAPL)**
MW-17	shallow	9.19	--	--	--	14.07	31.53	22.34	Product on probe (LNAPL)**
MW-23	shallow	4.39	--	--	--	9.61	27.51	23.12	Brown Floc/ Sediment on probe
MW-26	deep	7.90	--	--	--	17.89	28.85	20.95	
RW1-1	shallow	5.46	--	--	--	14.27	28.24	22.78	
RW6-1	shallow	3.90	--	--	--	13.72	28.84	24.94	Product on probe (DNAPL)**
RW6-3	shallow	4.01	--	--	--	5.43	28.72	24.71	
RW7-1	shallow	8.84	--	--	--	16.51	26.25	17.41	Orange floc on probe
RW7-4	shallow	6.84	--	--	--	19.06	27.11	20.27	Product on probe (DNAPL)**
RW7-5	shallow	7.41	--	--	--	19.21	27.57	20.16	
RW15-1	shallow	7.22	--	--	--	14.89	29.95	22.73	
P-2	shallow	7.42	--	--	--	11.52	30.06	22.64	Product on probe (LNAPL)**
PB-2	shallow	2.36	5.47	--	0.35	5.82	21.25	18.89	Product on probe (DNAPL); sediment on probe

NOTES: All Measurements of depths are from the top of casing unless otherwise noted.

-- Not detected by product interface meter.

* - In wells with LNAPL, water levels are corrected using the equation: DTW (corrected) = DTW (measured) - (Product thickness * specific gravity). Specific gravity of 0.88 used for water level correction (petroleum lubricating oil).

** - Though the product-interface meter did not register presence of product in the well, product was observed on the probe when the probe was taken out.

Many of the wells have accumulated sediment which results in slight fluctuations in the measurements of depth to bottom.

Appendix C

TABLE 5: SUMMARY OF PRODUCT COLLECTION (DNAPL)
Former Hexcel Facility
Lodi, New Jersey

January 1996
File: 94039\prodcoll\prodcol2.xls
Sheet: Fourth QD'95 (DEP)
By: SG Check: RMS

All Quantities are Expressed in Gallons Rounded to the Nearest 0.1

DATE	MW-6 (DNAPL)	MW-8 (DNAPL)	MW-26 (DNAPL)	RW6-1 (DNAPL)	RW7-1 (DNAPL)	RW7-4 (DNAPL)	RW7-5 (DNAPL)	CW-12 (DNAPL)	CW-16 (DNAPL)	PB-2 (DNAPL)	CW-15 (DNAPL)	TOTAL VOLUME RECOVERED
10/5/95	**0.2**	*	*	*	*	*	*	*	*	**0.1**	--	
10/10/95-10/12/95	**1.1**	*	*	*	*	*	*	*	*	**0.1**	--	
10/18/95	**0.5**	*	*	*	*	*	*	*	*	**0.1**	**0.1**	
10/27/95	**0.2**	*	*	*	*	*	*	*	*	**0.1**	--	
11/2/95	**0.6**	*	*	*	*	*	*	*	*	NA	--	
11/9/1995 (Monthly)	**0.5**	--	--	--	**0.1**	--	--	--	--	**0.1**	--	
11/16/95	**0.5**	*	*	*	--	*	*	*	*	**0.1**	*	
11/22/95	**0.5**	*	*	*	--	*	*	*	*	**0.1**	X	
11/30/95	--	*	*	*	--	*	*	*	*	NA	*	
12/7/1995 (Monthly)	**0.1**	--	--	--	--	--	--	--	**0.1**	**0.1**	*	
12/15/95	--	*	*	*	*	*	*	*	--	**0.1**	*	
12/19/95	--	*	*	*	*	*	*	*	--	**0.1**	*	
12/29/95	--	*	*	*	*	*	*	*	--	**0.1**	*	
TOTAL VOLUME RECOVERED, 4th QUARTER, 1995	**4.2**	--	--	--	**0.1**	--	--	--	**0.1**	**1.1**	**0.1**	**5.6**
TOTAL VOLUME RECOVERED, 10/94 - 9/95	**7.3**	**1.0**	**0.4**	**0.1**	**0.2**	--	--	**0.7**	**0.3**	**1.3**	**0.7**	**12.0**
TOTAL VOLUME RECOVERED	**11.5**	**1.0**	**0.4**	**0.1**	**0.3**	--	--	**0.7**	**0.4**	**2.4**	**0.8**	**17.6**

Notes: For product recovery purposes, quantities greater than 0.1 gallons (approx. 1 cup) are considered to be "measurable". It is not practicable to separate product from mixture of water and product when quantity is less than 1 cup.

* Well not included in the weekly product recovery program.

-- i) Well was monitored and did not indicate recoverable product or ii) no measurable amount of product was recovered either by bailing or pumping.

NA Water in the basement was too high to recover product from PB-2 safely.

X Ground Water recovery equipment was reinstalled on this date; CW-15 was discontinued from the monitoring program thereafter.

TABLE 6: SUMMARY OF PRODUCT COLLECTION (LNAPL)
Former Hexcel Facility
Lodi, New Jersey

January 1996
File: 94039\prodcoll\prodcol2.xls
Sheet: Fourth QL'95 (DEP)
By: RMS Check: SG

All Quantities are Expressed in Gallons Rounded to the Nearest 0.1

DATE	MW-6 (LNAPL)	MW-8 (LNAPL)	MW-23 (LNAPL)	RW1-1 (LNAPL)	RW 6-1 (LNAPL)	RW7-4 (LNAPL)	RW7-5 (LNAPL)	CW-7 (LNAPL)	CW-12 (LNAPL)	CW-15 (LNAPL)	CW-16 (LNAPL)	MW-17 (LNAPL)	RW 15-1 (LNAPL)	TOTAL VOLUME RECOVERED
10/5/95	**0.2**	*	*	*	*	*	*	--	*	*	*	*	*	
10/10/95-10/12/95	**0.1**	*	*	*	*	*	*	--	*	*	*	P/NI	*	
10/18/95	**0.1**	*	*	*	*	*	*	--	*	*	*	--	P/NI	
10/27/95	--	*	*	*	*	*	*	--	*	*	*	--	--	
11/2/95	--	*	*	*	*	*	*	--	*	*	*	--	--	
11/9/95	--	--	--	--	--	--	--	--	--	--	--	--	--	
11/16/95	*	*	*	*	*	*	*	*	*	*	*	*	*	
11/22/95	*	*	*	*	*	*	*	*	*	X	*	*	*	
11/30/95	*	*	*	*	*	*	*	*	*	*	*	*	*	
12/7/95	--	--	--	--	--	--	--	--	--	*	--	--	*	
12/15/95	*	*	*	*	*	*	*	*	*	*	*	*	*	
12/19/95	*	*	*	*	*	*	*	*	*	*	*	*	*	
12/29/95	*	*	*	*	*	*	*	*	*	*	*	*	*	
TOTAL VOLUME RECOVERED, 4th QUARTER, 1995	**0.4**	--	--	--	--	--	--	--	--	--	--	--	--	**0.4**
TOTAL VOLUME RECOVERED, 10/94 - 9/95	**6.3**	--	--	--	--	--	--	**0.8**	--	--	--	--	--	**7.1**
TOTAL VOLUME RECOVERED	**6.7**	--	--	--	--	--	--	**0.8**	--	--	--	--	--	**7.5**

Notes: For product recovery purposes, quantities greater than 0.1 gallons (approx. 1 cup) are considered to be "measurable". It is not practicable to separate product from mixture of water and product when quantity is less than 1 cup.

* Well not included in the weekly product recovery.

-- i) Monitoring did not indicate recoverable product or ii) no measurable amount of LNAPL was recovered in the absorbent pad.

P/NI An LNAPL recovery pad was installed in the well at this date and the well was included in the weekly product recovery program thereafter.

X Ground Water recovery equipment was reinstalled on this date; CW-15 was discontinued from the monitoring program thereafter.

Appendix D

Appendix D

The following table summarizes all disposal documentation for October, November and December 1995. Copies of manifests are included.

Date Accepted at Disposal Facility (unless indicated otherwise)	State Manifest Document Number	Quantity	Comments
10/27/95	NJA 2074653	3,953 gallons	Treated ground water
11/14/95	NJA 2074638	3,986 gallons.	Treated ground water
11/22/95	NJA 2074660	4,021 gallons.	Treated ground water
12/1/95	NJA 2074661	4,100 gallons.	Treated ground water
12/19/95	NJA 2074681	4,000 gallons.	Treated ground water

State of New Jersey
Department of Environmental Protection and Energy
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421

4002 9 (6)

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NJD986584134 Manifest Document No.: 00009
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: HEXCEL CORPORATION 205 MAIN ST. LODI NJ. 07644
4. Generator's Phone: (510) 847-9500

A. State Manifest Document Number: **NJA 2074653**
B. State Generator's ID (Gen. Site Address): SAME

5. Transporter 1 Company Name: FREEHOLD CARTAGE INC.
6. US EPA ID Number: NJD054126164
C. State Trans. ID-NJDEPE: 52266
Decal No.: 75648
D. Transporter's Phone: (908) 462-1001

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Trans. ID-NJDEPE
Decal No.
F. Transporter's Phone ( ).

9. Designated Facility Name and Site Address: E. I. DUPONT ST. HIGHWAY RT. 130 CHAMBERS WORKS PLANTS DEEPWATER N.J. 08023
10. US EPA ID Number: NJD002385730
G. State Facility's ID
H. Facility's Phone: (609) 540-2773

HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
X	a. RQ HAZARDOUS WASTE LIQUID N.O.S. 9; NA3082 PG III (F001, F002, F003)	001	TT	03953	G	F002
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above: LT, F001-F002-F003 PCB <5PPB TRACE ORGANIC SOLVENTS <1% SUSPENDED SOLIDS <1% DISSOLVED SOLIDS <1% WATER >97%
a. b. c. d.

K. Handling Codes for Wastes Listed Above: a. T01 b. c. d.

15. Special Handling Instructions and Additional Information: CONTRACT # OW04002 REL 009 ERG # 31 24 HOUR PHONE 908-462-1001

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

As Agent on Behalf of Hexcel Corp.

Printed/Typed Name: Robert M Shusko Signature: [signature] Month Day Year: 10 27 95

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DOUGLAS VAN PELT Signature: Douglas Van Pelt Month Day Year: 10 27 95

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Month Day Year:

19. Discrepancy Indication Space: Item 2 should read Page 1 of 1

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: DANIEL G. CHOMO Signature: Daniel G. Chomo Month Day Year: 10 27 95

NJA 2074653

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete

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8 - TSD MAIL TO GENERATOR

882740027

State of New Jersey
Department of Environmental Protection and Energy
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421

2074638

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NJD986584134
Manifest Document No.:
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: HEXCEL CORPORATION, 205 MAIN STREET LODI N.J. 07644

4. Generator's Phone ( ) (510) 847-9500

5. Transporter 1 Company Name:
6. US EPA ID Number: NJD054126164

7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address: EI DUPONT, STATE HWY/RT. 130, CHAMBERS WORKS PLANT
10. US EPA ID Number: NJD002385730

A. State Manifest Document Number: NJA 2074638
B. State Generator's ID (Gen. Site Address)
C. State Trans. ID-NJDEPE: 52255
Decal No.:
D. Transporter's Phone ( )
E. State Trans. ID-NJDEPE
Decal No.
F. Transporter's Phone ( )
G. State Facility's ID
H. Facility's Phone ( )

11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. RQ HAZARDOUS WASTE LIQUID N.O.S. 9; NA 3082 PG III (F001, F002, F003)	X	1	TT		G	F001
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
LT F001, F002, F003 PCB<3PPB TOTAL ORGANIC SOLVENTS <1% SUSPENDED SOLIDS <1% DISSOLVED SOLIDS <1% WATER >97%

K. Handling Codes for Wastes Listed Above
a. T01 b. c. d.

15. Special Handling Instructions and Additional Information
CONTRACT

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

As Agent for & on behalf of Hexcel Corp

Printed/Typed Name	Signature	Month	Day	Year
Robert Shishko	[signature]	11	14	95

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
		11	14	95

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete.

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

State of New Jersey
Department of Environmental Protection and Energy
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421

4002 1/2 (1)

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Form Approved. OMB No. 2050-0039. Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJD 986584134 — Manifest Document No. 00001
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Hexcel Corporation, 305 Main Street, Lodi NJ 07644
4. Generator's Phone (510) 847-9500

A. State Manifest Document Number: **NJA 2074660**
B. State Generator's ID-(Gen. Site Address): SAME

5. Transporter 1 Company Name: Freehold Cart. Corp. Inc. — 6. US EPA ID Number: NJD054126164
C. State Trans. ID-NJDEPE: X52265 — Decal No.: X74509

7. Transporter 2 Company Name — 8. US EPA ID Number
D. Transporter's Phone (908) 462-1001
E. State Trans. ID-NJDEPE — Decal No.

9. Designated Facility Name and Site Address: EI Dupont, State Highway Route 130, Chambers Works Plant, Deepwater NJ 08023 — 10. US EPA ID Number: NJD002385730
F. Transporter's Phone ( )
G. State Facility's ID
H. Facility's Phone (609) 540-2773

11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	HM	12. Containers No.	12. Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ HAZARDOUS WASTE LIQUID N.O.S.: 9; NA 3082 PG III (F001, F002, F003)	X		TT	040216		F002
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above: L.T F001, F002, F003 PCB<3PPB Trace Organic Solvents <1% Suspended solids <1%, Dissolved Solids <1% water >97%

K. Handling Codes for Wastes Listed Above: a. T01 — b. — c. — d.

15. Special Handling Instructions and Additional Information: CONTRACT #CW004002 REL-12 ERG #31
24hr Phone # 908 462-1001

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment OR, if I am a small quantity generator I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

AS AGENT FOR HEXCEL CORP.

Printed/Typed Name	Signature	Month	Day	Year
Robert Shusko	Robt Shusko	1	1	95

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
JERRY CEREZ	Jerry Cerez	1	1	95

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
JOHN A HOPE	John A Hope	1	12	95

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete.

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882740029

NJA 2074660

State of New Jersey
Department of Environmental Protection and Energy
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421

4002/14 (7)

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Form Approved OMB No. 2050-0039. Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NJD986584134 — Manifest Document No.: 74661
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: HEXCEL CORPORATION 205 MAIN STREET, LODI N.J. 07644
4. Generator's Phone (510) 847-9500

A. State Manifest Document Number: **NJA 2074661**
B. State Generator's ID-(Gen. Site Address): SAME

5. Transporter 1 Company Name: FREEHOLD CART CORP. INC.
6. US EPA ID Number: NJD054126164
C. State Trans. ID-NJDEPE: XS2265
Decal No.- X74428
7. Transporter 2 Company Name
8. US EPA ID Number
D. Transporter's Phone 908 462-1001
E. State Trans. ID-NJDEPE
Decal No.-
F. Transporter's Phone ( )

9. Designated Facility Name and Site Address: EI DUPONT, STATE HIGHWAY RT 130 CHAMBERS WORKS PLANT DEEPWATER N.J. 08023
10. US EPA ID Number: NJD002385730
G. State Facility's ID
H. Facility's Phone 609 540-2773

	11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group) HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	X	RQ HAZARDOUS WASTE LIQUID N.O.S. 9; NA 3082 PG III (F001, F002, F003)	001	TT	X4100	G	F002
b.							
c.							
d.							

J. Additional Descriptions for Materials Listed Above: L, TI F001, F002, F003 PCB <3PPB TRACE ORGANIC SOLVENTS <1% SUSPENDED SOLIDS <1% DISSOLVED SOLIDS <1% WATER >97%
a. b. c. d.

K. Handling Codes for Wastes Listed Above
a. T01 b. c. d.

15. Special Handling Instructions and Additional Information
CONTRACT # OWD 4002 KCI-014 ERG# 31
24 HR. PHONE 908-462-1001

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

As agent on behalf of Hexcel Corporation

Printed/Typed Name: Kevin M. Greener — Signature: [signature] — Month Day Year: 1 20 95

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JERRY CEREZ — Signature: [signature] — Month Day Year: 1 20 95

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Dean S. Irine — Signature: [signature] — Month Day Year: 1 20 95

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete.

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3 - TSD MAIL TO GENERATOR

882740030

* 2 0 7 4 6 8 1 *

State of New Jersey
Department of Environmental Protection and Energy
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421

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Form Approved. OMB No. 2050-0039. Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJD986564124 Manifest Document No. 77681
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: HEXCEL Corporation [illegible] (510) 847-1500
4. Generator's Phone [illegible]

A. State Manifest Document Number **NJA 2074681**

B. State Generator's ID (Gen. Site Address) SAME

5. Transporter 1 Company Name [illegible] Inc.
6. US EPA ID Number [illegible]

C. State Trans. ID NJDEPE [illegible]
Decal No. [illegible]

7. Transporter 2 Company Name
8. US EPA ID Number

D. Transporter's Phone [illegible]

E. State Trans. ID NJDEPE
Decal No.

9. Designated Facility Name and Site Address: E.I. DUPONT ST. [illegible] RT 130 [illegible] WORKS [illegible] [illegible] N.J. [illegible]
10. US EPA ID Number NJD [illegible]

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone [illegible]

11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group) HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	X RQ Hazardous Waste Liquid N.O.S. 9, NA 3082 PG III (F001, F002, F0[illegible])	01	TT	4200	G	F002
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above: [illegible] F001 F002 F003 PCB <3PPB [illegible] organic [illegible] <1% [illegible] solids <1% [illegible] solids <1% water >97%

K. Handling Codes for Wastes Listed Above: a. T 01 b. c. d.

15. Special Handling Instructions and Additional Information: [illegible] ERG# 31 [illegible] 215-[illegible]

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

As agent on behalf of Hexcel Corp.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Robert Shusho
Signature: [signature]
Month Day Year: [illegible]

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: ROBERT C. B[illegible]
Signature: [signature]
Month Day Year: 1 2 1 9 9[illegible]

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name
Signature
Month Day Year

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete.

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882740031

Appendix E

TABLE 7. ESTIMATED SCHEDULE OF REMAINING REMEDIAL ACTIVITIES
Former Hexcel Facility
Lodi, New Jersey

GEO Engineering

January 1996
File: 94039\sched4.xls

TASK DESCRIPTION	1996 1	2	3	4	5	6	7	8	9	10	11	12
GROUND WATER REMEDIATION												
DNAPL/LNAPL recovery (temporary)												
Recover water from basement Bldg. 1												
Obtain permits												
--PVSC (for discharge to sewer)												
--Air (for pilot test)												
Conduct testing												
--Conduct hydraulic testing												
--Pilot test of recovery system												
--Test ground water off-site												
--Obtain off-site access or data *												
Modify design of ground water recov. sys.												
Prep. design proposal for recov. sys.												
NJDEP review of design proposal												
Install permanent recovery system												
Operate and maintain recovery system												
Evaluate need for DNAPL barrier												
Bedrock ground water invest. (MW-1)												
CLEANING OF SEWER LINE												
Cleanout/abandonment of sewer line												
Collect samples (and lab. analysis)												
Disposal of sludge/debris												
SOIL REMEDIATION *												
Soil investigation												
Prepare soil investigation rpt./work plan												
NJDEP review of work plan												
Conduct pilot test (incl. lab. analysis)												
Design air sparging/vapor ext. system												
Obtain permits												
Install soil remediation system												
Operate and maintain system												
SEDIMENT SAMPLING												
Collect samples (and lab. analysis) *												
REPORTING												
Prepare quarterly progress reports												
Prepare report of sediment sampling *												
Prepare final report												
NJDEP review and site inspection												
Case closure												

* Due to Napp explosion, obtaining monitoring well data south of site, soil investigation, and sediment sampling are being held in abeyance pending receipt of results from Napp.

882740033

TABLE 7. ESTIMATED SCHEDULE OF REMAINING REMEDIAL ACTIVITIES
Former Hexcel Facility
Lodi, New Jersey

GEO Engineering

January 1996
File: 94039\sched4.xls

TASK DESCRIPTION	1997 1	2	3	4	5	6	7	8	9	10	11	12
GROUND WATER REMEDIATION												
DNAPL/LNAPL recovery (temporary)												
Recover water from basement Bldg. 1												
Obtain permits												
--PVSC (for discharge to sewer)												
--Air (for pilot test)												
Conduct testing												
--Conduct hydraulic testing												
--Pilot test of recovery system												
--Test ground water off-site												
--Obtain off-site access or data *												
Modify design of ground water recov. sys.												
Prep. design proposal for recov. sys.												
NJDEP review of design proposal												
Install permanent recovery system												
Operate and maintain recovery system												
Evaluate need for DNAPL barrier												
Bedrock ground water invest. (MW-1)												
CLEANING OF SEWER LINE												
Cleanout/abandonment of sewer line												
Collect samples (and lab. analysis)												
Disposal of sludge/debris												
SOIL REMEDIATION *												
Soil investigation												
Prepare soil investigation rpt./work plan												
NJDEP review of work plan												
Conduct pilot test (incl. lab. analysis)												
Design air sparging/vapor ext. system												
Obtain permits												
Install soil remediation system												
Operate and maintain system												
SEDIMENT SAMPLING												
Collect samples (and lab. analysis) *												
REPORTING												
Prepare quarterly progress reports												
Prepare report of sediment sampling *												
Prepare final report												
NJDEP review and site inspection												
Case closure												

* Due to Napp explosion, obtaining monitoring well data south of site, soil investigation, and sediment sampling are being held in abeyance pending receipt of results from Napp.

TABLE 7. ESTIMATED SCHEDULE OF REMAINING REMEDIAL ACTIVITIES
Former Hexcel Facility
Lodi, New Jersey

GEO Engineering

January 1996
File: 94039\sched4.xls

TASK DESCRIPTION	1998 1	2	3	4	5	6	7	8	9	10	11	12
GROUND WATER REMEDIATION												
DNAPL/LNAPL recovery (temporary)												
Recover water from basement Bldg. 1												
Obtain permits												
--PVSC (for discharge to sewer)												
--Air (for pilot test)												
Conduct testing												
--Conduct hydraulic testing												
--Pilot test of recovery system												
--Test ground water off-site												
--Obtain off-site access or data *												
Modify design of ground water recov. sys.												
Prep. design proposal for recov. sys.												
NJDEP review of design proposal												
Install permanent recovery system												
Operate and maintain recovery system												
Evaluate need for DNAPL barrier												
Bedrock ground water invest. (MW-1)												
CLEANING OF SEWER LINE												
Cleanout/abandonment of sewer line												
Collect samples (and lab. analysis)												
Disposal of sludge/debris												
SOIL REMEDIATION *												
Soil investigation												
Prepare soil investigation rpt./work plan												
NJDEP review of work plan												
Conduct pilot test (incl. lab. analysis)												
Design air sparging/vapor ext. system												
Obtain permits												
Install soil remediation system												
Operate and maintain system												
SEDIMENT SAMPLING												
Collect samples (and lab. analysis) *												
REPORTING												
Prepare quarterly progress reports												
Prepare report of sediment sampling *												
Prepare final report												
NJDEP review and site inspection												
Case closure												

* Due to Napp explosion, obtaining monitoring well data south of site, soil investigation, and sediment sampling are being held in abeyance pending receipt of results from Napp.

TABLE 7. ESTIMATED SCHEDULE OF REMAINING REMEDIAL ACTIVITIES
Former Hexcel Facility
Lodi, New Jersey

GEO Engineering

January 1996
File: 94039\sched4.xls

TASK DESCRIPTION	1999 1	2	3	4	5	6	7	8	9	10	11	12
GROUND WATER REMEDIATION												
DNAPL/LNAPL recovery (temporary)												
Recover water from basement Bldg. 1												
Obtain permits												
--PVSC (for discharge to sewer)												
--Air (for pilot test)												
Conduct testing												
--Conduct hydraulic testing												
--Pilot test of recovery system												
--Test ground water off-site												
--Obtain off-site access or data *												
Modify design of ground water recov. sys.												
Prep. design proposal for recov. sys.												
NJDEP review of design proposal												
Install permanent recovery system												
Operate and maintain recovery system												
Evaluate need for DNAPL barrier												
Bedrock ground water invest. (MW-1)												
CLEANING OF SEWER LINE												
Cleanout/abandonment of sewer line												
Collect samples (and lab. analysis)												
Disposal of sludge/debris												
SOIL REMEDIATION *												
Soil investigation												
Prepare soil investigation rpt./work plan												
NJDEP review of work plan												
Conduct pilot test (incl. lab. analysis)												
Design air sparging/vapor ext. system												
Obtain permits												
Install soil remediation system												
Operate and maintain system												
SEDIMENT SAMPLING												
Collect samples (and lab. analysis) *												
REPORTING												
Prepare quarterly progress reports												
Prepare report of sediment sampling *												
Prepare final report												
NJDEP review and site inspection												
Case closure												

* Due to Napp explosion, obtaining monitoring well data south of site, soil investigation, and sediment sampling are being held in abeyance pending receipt of results from Napp.

882740036

TABLE 7. ESTIMATED SCHEDULE OF REMAINING REMEDIAL ACTIVITIES
Former Hexcel Facility
Lodi, New Jersey

GEO Engineering

January 1996
File: 94039\sched4.xls

TASK DESCRIPTION	2000 1	2	3	4	5	6	7	8	9	10	11	12
GROUND WATER REMEDIATION												
DNAPL/LNAPL recovery (temporary)												
Recover water from basement Bldg. 1												
Obtain permits												
--PVSC (for discharge to sewer)												
--Air (for pilot test)												
Conduct testing												
--Conduct hydraulic testing												
--Pilot test of recovery system												
--Test ground water off-site												
--Obtain off-site access or data *												
Modify design of ground water recov. sys.												
Prep. design proposal for recov. sys.												
NJDEP review of design proposal												
Install permanent recovery system												
Operate and maintain recovery system												
Evaluate need for DNAPL barrier												
Bedrock ground water invest. (MW-1)												
CLEANING OF SEWER LINE												
Cleanout/abandonment of sewer line												
Collect samples (and lab. analysis)												
Disposal of sludge/debris												
SOIL REMEDIATION *												
Soil investigation												
Prepare soil investigation rpt./work plan												
NJDEP review of work plan												
Conduct pilot test (incl. lab. analysis)												
Design air sparging/vapor ext. system												
Obtain permits												
Install soil remediation system												
Operate and maintain system												
SEDIMENT SAMPLING												
Collect samples (and lab. analysis) *												
REPORTING												
Prepare quarterly progress reports												
Prepare report of sediment sampling *												
Prepare final report												
NJDEP review and site inspection												
Case closure												

* Due to Napp explosion, obtaining monitoring well data south of site, soil investigation, and sediment sampling are being held in abeyance pending receipt of results from Napp.

882740037